FIRE: HUMAN AND EQUIPMENT RESOURCES AT YOUR SERVICE

promethee

FIRE TESTING CENTER • Laboratory approved by the French Ministry of the Interior

GENERAL REQUIREMENTS MET

(standard EN 1363-1)

- Units stored at 50% RH and 23°C.
- Units conditioned after manufacture until weight has stabilized.
- COFRAC Testing accreditation n° 1-0001 (scope available at www.cofrac.fr).

ALL POSSIBLE FIRE SCENARIOS

- ISO 834 standard fire curve.
- HCM modified hydrocarbon curve.
- Rijkswaterstaat curve (RWS).
- Eureka curve.

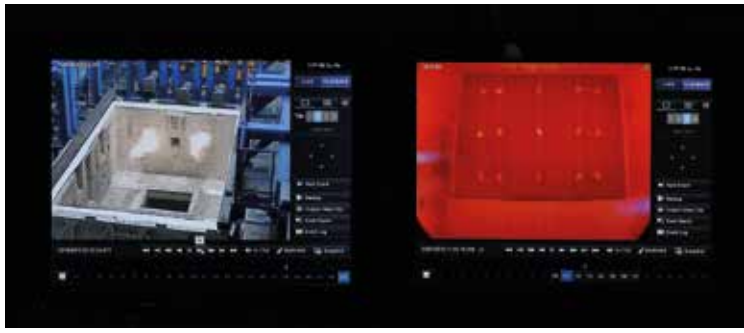
FIRE UNDER REAL-LIFE CONDITIONS

- Test rig fully representative of works.
- Support for managing boundary conditions.
- Stiffness-matrix control.
- Real-time calculation of forces to be applied.

EXCEPTIONAL RESOURCES

Promethee: "probably the best example of a structural testing facility which is currently available for large-scale non-standard structural fire testing". *[National Fire Protection Association U.S.A., NIST Publication, January 2012].*

CUTTING-EDGE SKILLS AND METROLOGY



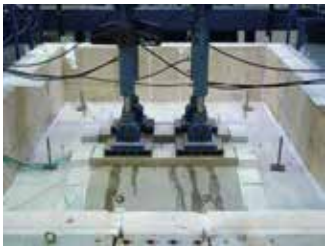
Data for appraising and deciding advisedly

- High-temperature borescope inspection during testing.
- 10 HD cameras with real-time display and recording (remote display possible).
- 3D analysis of surface condition.

EXAMPLES

TESTING FOR COMPLEX STRUCTURES TUNNEL LINING SEGMENTS

- **Confinement representative of real life.**
- Customized support for management of **boundary conditions.**
- Life-size units tested, **without cropping edges or damaging reinforcement.**
- Horizontal displacement of segment managed.



LOADBEARING EXHAUST DUCTS (BATEG / VEOLIA HEADQUARTERS)

- Testing of **loadbearing exhaust ducts** on air-conveyance test rig.
- Vertical load 300 kN.
- Facility for testing fire resistance of very large air-conveyance systems (throughput of up to 100,000 m³/h, internal sectional area of up to 4 m x 3 m).
  Unique in Europe.

CERIB
1 rue des Longs Réages - CS 10010 - 28233 Épernon Cedex
Tél. : +33 (0)2 37 18 48 00 - Fax : +33 (0)2 37 83 67 39
cerib@cerib.com

Fire testing center
45 min from Paris-Montparnasse and Orly airport
GPS : 48° 36' 11.246'' N
1° 41' 5.393'' E

See our videos on:
https://www.youtube.com/user/LaboPromethee

http://www.labo-promethee.eu/

Phone: +33 (0)2 37 18 62 02
e-mail: promethee@cerib.com